

Title (en)

Removal of residual peroxide from tertiary butyl alcohol.

Title (de)

Entfernung von Restperoxyden aus tertiärem Butanol.

Title (fr)

Enlèvement de peroxyde résiduaire de butanol tertiaire.

Publication

**EP 0215588 A2 19870325 (EN)**

Application

**EP 86306557 A 19860822**

Priority

- US 77633985 A 19850916
- US 77779585 A 19850919
- US 83679886 A 19860306
- US 83679986 A 19860306

Abstract (en)

A motor fuel grade tertiary butyl alcohol feedstock obtained by the reaction of propylene with tertiary butyl hydroperoxide which is contaminated with a residual amount of tertiary butyl hydroperoxide can be effectively catalytically treated with a supported, nickel, palladium and/or platinum catalyst in the presence of added hydrogen under mild catalytic reduction conditions including a temperature of about 50 DEG to 150 DEG C and a pressure of up to about 70 kg/cm<sup>2</sup> (1000 psig) in order to substantially selectively convert the hydroperoxide contaminants to tertiary butyl alcohol and to thereby provide a treated product substantially free from contaminating quantities of tertiary butyl hydroperoxide.

IPC 1-7

**C07C 29/90**; **C07C 31/12**; **C07C 29/132**; **C10L 1/02**

IPC 8 full level

**C07C 29/132** (2006.01); **C07C 29/90** (2006.01)

CPC (source: EP)

**C07C 29/132** (2013.01); **C07C 29/90** (2013.01)

Cited by

EP0574204A1; US5185480A; CN111097509A

Designated contracting state (EPC)

BE DE FR GB NL

DOCDB simple family (publication)

**EP 0215588 A2 19870325**; **EP 0215588 A3 19880316**

DOCDB simple family (application)

**EP 86306557 A 19860822**